MicroPlug™ Prototype System

The ***MicroPlug*** **Prototype System** offers a high level of design flexibility along with significant savings in labor and material. In this unique approach the perf area can be detached from the microcontroller area allowing major design changes without scrapping the entire board.

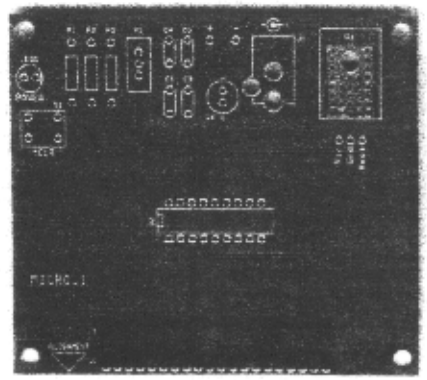
Major design changes in the ***MicroPerf*** prototype area can be accommodated by simply unplugging it and replacing it with one of several sizes of ***MicroPerf*** boards. The microcontroller area can be reused as is.

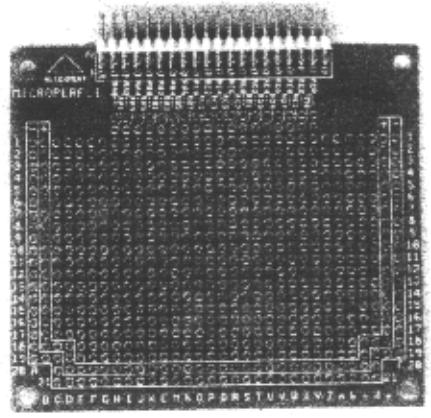
Different microcontrollers can be used in the design without sacrificing the custom circuit. The ***MicroPlug*** System is fully pin compatible which allows the ***MicroPerf*** board to be plugged into a number of different ***MicroPlug*** controller boards.

The ***MicroPlug*** system allows different controller configurations.

- **Oscillator Options**: RC, Crystal, or Resonator.
- **Master Clear (MCLR)**: On board Push Button.
- **MCLR** and **TMR0** are accessible on ***MicroPerf***.
- **Power**: Designed for Voltage Regulator with heatsink. Power Jack for A.C. Adapter convenience or clip on contacts for bench power supply hook-up.

Our current line of ***MicroPlug*** products feature five ***MicroPlug*** controller boards supporting 18, 28 and 40 pin dips and two different sizes of ***MicroPerf*** proto boards. See our Product List and Specification Sheets for full details.





MicroPlug™ Prototype System
Micro_1 Board

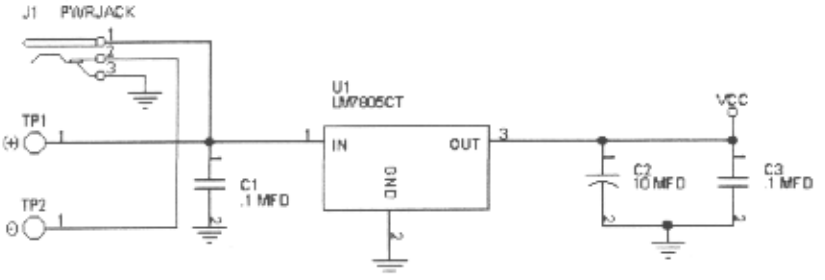
- Board accommodates a crystal, resonator, R.C. oscillator, 5V regulator, power jack, clip on contacts for external power hook up
- Supports: 18 pin dips 16C54, 16CR54, 16C56, 16C61, 16C62X, 16C71, 16C84, 16F8X
- Double-sided board with plated holes
- Solder mask on both sides
- 4 mounting holes
- Overall board dimensions 3.0" x 3.5"
- Ground plain for noise immunity

Optional Parts Kit:

Includes: Socket, 5V Regulator, Heat Sink/Hardware, Power Jack, LED, 4 Mhz Crystal, Capacitors, Resistors, Clip on contacts.

Schematic:

Power



Oscillator